

Application No. 10/650,359
Amendment Dated December 13, 2004
Reply to Office Action dated August 11, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) Method for manufacturing an electrical cable system (1) comprising having an electrical cable (10) containing a conductor core, (2) and for installing said electrical cable system over a longitudinally expandable-contractible element, said method comprising the (1', 6) characterized in that it comprises the successive steps of:

disposing a secondary element (3) over said electrical cable, said secondary element being a radially expandable hose, so as to give said electrical cable substantially attached undulations (100) thereby forming an additional length, said additional length formed by stranding said radially expandable hose around said electrical cable in a helical formation, where said electrical cable and said radially expandable hose are both twisted relative to one another;

installing, by clamping at least at two points, said electrical cable system to said longitudinally expandable-contractible element (1'), ; and

handling said secondary element after said clamping so as to release the attachment of said undulations, thereby converting said additional length into a free to be used excess length.

2. (cancelled)

Application No. 10/650,359

Amendment Dated December 13, 2004

Reply to Office Action dated August 11, 2004

3. (currently amended) Method according to claim 2 characterized in that it comprises further comprising the step of radially expanding said hose (3) by providing high internal pressure within said hose before said stranding process, in that the method comprises includes the step of maintaining said high internal pressure during the clamping process, and in that said handling process consists of reducing said internal pressure, causing said hose to be being radially non expanded.

4. (currently amended) Method according to any of claims 2 or 3 characterized in that it comprises further comprising the step of providing a common outer sheath (5) surrounding said radially expandable hose (3) and said electrical cable (10).

5. (currently amended) An electrical ~~Electrical~~ cable system (1) comprising having an electrical cable (10) containing a conductor core (2) and suitable for being installed by clamping over a longitudinally expandable-contractible element (1', 6) characterized in that it comprises comprising:

a secondary element (3), said secondary element being a radially expandable hose, which is disposed over said electrical cable in a way to give said electrical cable substantially attached undulations (100) before and during said clamping, thereby forming an additional length, said additional length formed by stranding said radially expandable hose around said electrical cable in a helical formation, where said electrical cable and said radially expandable hose are both twisted relative to one another; and wherein in that said secondary element is handleable in

Application No. 10/650,359

Amendment Dated December 13, 2004

Reply to Office Action dated August 11, 2004

order to release the attachment of said undulations after said clamping, thereby converting said additional length in a free to be used excess length.

6. (currently amended) Electrical cable system (1) according to claim 5
characterized in that wherein said secondary element is a radially expandable hose (3) with said
has an adjustable internal pressure.

7. (cancelled)

8. (currently amended) Electrical cable system (1) according to ~~any of~~ claims 5 to 7
characterized in that it comprises further comprising a common outer sheath (5) surrounding said
secondary element (3) and said electrical cable (10).

9. (currently amended) Electrical cable system (1) according to ~~any of~~ claims 5 to 8
characterized in that wherein said conductor core (2) is a copper core and is covered with a
polymer insulation sheath (4).

10. (currently amended) Heating system comprising an electrical cable system (1)
according to ~~any of~~ claims 5, to 9 and to be clamped at least at two points to a subsea pipeline
(12).